

ESM Table 1. Primer sequences used for real-time PCR mRNA quantification.

Gene		Forward primer (5' to 3')	Reverse primer (5' to 3')
TaqMan Assays			
<i>Ins2</i>	Insulin 2	GAAGTGGAGGACCCACAAGTG	GATCTACAATGCCACGCTTCTG
<i>Actb</i>	β -actin ¹		
SYBR Green Primer Sets			
<i>Pdx1</i>	Pancreatic and duodenal homeobox 1	GACCTTCCCGAATGGAACC	GTTCCGCTGTGTAAGCACC
<i>Hnf1a</i>	Hepatocyte nuclear factor 1- α	GCACACCCATGAAGACACAG	CCTGTGGGCTCTTCAATCAG
<i>Slc2a2</i>	GLUT-2	CTGTGTCCAGCTTGCAGTG	CCATCAAGAGGGCTCCAGTC
<i>Gck</i>	Glucokinase	GTTTTGTGTCGCAGGTGGAG	GTGGACACGCTTTCACAGG
<i>Actb</i>	β -actin	TGCGTGACATCAAAGAGAAG	GATGCCACAGGATTCCATA
<i>Cebpa</i>	CCAAT/enhancer-binding protein- α	CCGGGAGAACTCTAACTC	GATGTAGGCGCTGATGT
<i>Cebpb</i>	CCAAT/enhancer-binding protein- β	GCAAGAGCCGCGACAAG	GGCTCGGGCAGCTGCTT
<i>Pparg</i>	Peroxisome proliferator-activated receptor- γ	AGATTCTCCTGTTGACCCAGA	ACAGAGCTGATTCCGAAGTTG
<i>Pgcl1</i>	PPAR- γ coactivator 1- α	GTGCCATATCTCCAGTGACC	GGTTGGCTTTATGAGGAGGA
<i>Prdm16</i>	PR domain containing 16	CTCAAGTACATCCGTGTAGCG	CTTTCACATGCACCAACAGTTC
<i>Srebpl1c</i>	Sterol regulatory element-binding protein 1-c	CGGAAGCTGTCCGGGGTAG	GTTGTTGATGAGCTGGAGCA
<i>Acaca</i>	Acetyl-CoA carboxylase α	GCCTCTCTGACAAACGAG	TGACTGCCGAAACATCTCTG
<i>Fasn</i>	Fatty acid synthase	TGGGTTCTAGCCAGCAGAGT	ACCACCAGAGACCGTTATGC
<i>Lpl</i>	Lipoprotein lipase	GTGACCGATTCATCAAGTTGGAG	GACGGACACAAAGTTAGCACCAC
<i>Pck1</i>	Phosphoenolpyruvate carboxykinase-1	GTATCATCTTGGTGGCCGTA	TGATCTTGCCCTTGTTCTG
<i>Pnpla2</i>	Adipose triglyceride lipase	AACACCAGCATCCAGTTCAA	GGTTCAGTAGGCCATTCTC
<i>Lipe</i>	Hormone-sensitive lipase	ACCGAGACAGGCTCAGTGTG	GAATCGGCCACCGGTAAGAG
<i>Ucp1</i>	Uncoupling protein 1	CCTGGCAGATATCATCACCTTC	TCCCTAGGACACCTTATACT
<i>Hprt</i>	Hypoxanthine guanine phosphoribosyl transferase	TCCTCCTCAGACCGCTTTT	CCTGGTTCATCATCGCTAATC
<i>Tbp</i>	TATA box binding protein	TTCACCAATGACTCCTATGACC	CAAGTTTACAGCCAAGATTACCG

¹Commercial primer assay (Catalog number 4352341E, Applied Biosystems)
Other primers/PrimeTime qPCR assays are from Integrated DNA Technologies, Toronto, ON, Canada.